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AMENDMENTS TO THE SPECIFICATION

At page 1 before the heading "Background of the Invention," please insert the following heading and paragraph:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of U.S. Application No. 10/604,943, filed August 28, 2003, and this application claims the benefit of U.S. Provisional Application No. 60/441,230, filed January 17, 2003; and U.S. Application No. 10/604,943 is a continuation-in-part of U.S. Application No. 10/604,942, filed August 27, 2003, and U.S. Application No. 10/604,943 claims the benefit of U.S. Provisional Application No. 60/441,241, filed January 17, 2003; and U.S. Application No. 10/604,942 is a continuation-in-part of U.S. Application No. 10/604,945, filed August 27, 2003, which is a continuation of U.S. Application No. 10/303,778, filed November 26, 2002.

Please replace paragraph [0051] with the following replacement paragraph:

FIG. 12A is an annotated sequence of EST72223 (SEQ ID NO: 415) comprising novel gene GAM24 (SEQ ID NO: 419) detected by the gene detection system of the present invention;

Please replace paragraph [0054] with the following replacement paragraph:

FIG. 13A is an annotated sequence of an EST7929020 (SEQ ID NO: 416) comprising novel genes GAM23 (SEQ ID NO: 420) and GAM25 (SEQ ID NO: 421) detected by the gene detection system of the present invention;

Please replace paragraph [0057] with the following replacement paragraph:

FIG. 14A is an annotated sequence of an EST1388749 (SEQ ID NO: 417) comprising novel gene GAM26 (SEQ ID NO: 422) detected by the gene detection system of the present invention;

Please replace paragraph [0066] with the following replacement paragraph:

VGAM PRECURSOR RNA folds onto itself, forming VGAM FOLDED PRECURSOR RNA. As FIG. 8 illustrates, VGAM FOLDED PRECURSOR RNA forms a "hairpin structure", folding onto itself. As is well known in the art, this "hairpin structure", is typical genes of the miRNA genes, and is due to the fact that nucleotide sequence of the first half of the RNA of a gene in this group is an accurate or partial inversed-reversed sequence of the nucleotide sequence of its second half. By "inversed-reversed" is meant a sequence which is reversed and

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wherein each nucleotide is replaced by a complimentary nucleotide, as is well known in the art (e.g. ATGGC [SEQ ID NO: 407] is the inversed-reversed sequence of GCCAT [SEQ ID NO: 408]).

Please replace paragraph [0146] with the following replacement paragraph:

Reference is now made to FIG. 12A which is an annotated sequence of an EST comprising a novel gene detected by the gene detection system of the present invention. FIG. 12A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST72223 (SEO ID NO: 415). It is appreciated that the sequence of this EST comprises sequences of one known miRNA gene, identified as MIR98 (SEO ID NO: 418), and of one novel GAM gene, referred to here as GAM24 (SEO ID NO: 419), detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to FIG. 2.

Please replace paragraph [0151] with the following replacement paragraph:

Transcript preparations: Digoxigenin (DIG) labeled transcripts were prepared from EST72223 (TIGER), MIR98 and predicted precursor hairpins by using a DIG RNA labeling kit (Roche Molecular Biochemicals) according to the manufacture's protocol. Briefly, PCR products with T7 promoter at the 5" end or T3 promoter at the 3" end were prepared from each DNA in order to use it as a template to prepare sense and antisense transcripts, respectively. MIR-98 was amplified using EST72223 as a template templet with T7miR98 forward primer: 5-"TAATACGACTCACTATAGGGTGAGGTAGTAAGTTGTATTGTT-3" (SEQ ID NO: 409) and T3miR98 reverse revse primer: 5"-AATTAACCCTCAC TAAAGGGAAAGTAGTAAGTTGTATAGTT-3" (SEQ ID NO: 410). EST72223 was amplified with T7-EST 72223 forward primer: 5"-TAATACGAC TCACTATAGGCCCTTATTAGAGGATTCTGCT-3" (SEQ ID NO: 411) and T3-EST72223 reverse primer: 5"-AATTAACCCTCACTAAAGGTTTTTTTTTC CTGAGACAGAGT-3" (SEQ ID NO: 412). Bet-4 was amplified using EST72223 as a template templet with Bet-4 forward primer: 5"-GAGGCAGGA GAATTGCTTGA-3" (SEQ ID NO: 413) and T3-EST72223 reverse primer: 5"-AATTAACCCTCACTAAAGGCCTGAGACAGAGTCTTGCTC-3" (SEQ ID NO: 414). The PCR products were cleaned and used for DIG-labeled or unlabeled transcription reactions with the appropriate polymerase. For transfection experiments, CAP reaction was performed by using a mMassage mMachine kit (Ambion).

Please replace paragraph [0157] with the following replacement paragraph:

Reference is now made to FIG. 13A which is an annotated sequence of an EST comprising a novel gene detected by the gene detection system of the present invention. FIG. 13A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST 7929020 (SEQ)

<u>ID NO: 416</u>). It is appreciated that the sequence of this EST comprises sequences of two novel GAM genes, referred to here as GAM23 (SEQ ID NO: 420) and GAM25 (SEQ ID NO: 421), detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to FIG. 2.

Please replace paragraph [0160] with the following replacement paragraph:

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Reference is now made to FIG. 14A which is an annotated sequence of an EST comprising a novel gene detected by the gene detection system of the present invention. FIG. 14A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST 1388749 (SEQ ID NO: 417). It is appreciated that the sequence of this EST comprises sequence of a novel GAM gene, referred to here as GAM26 (SEQ ID NO: 422), detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to FIG. 2.

Please replace Table 2 with the following replacement Table 2:

GENE	G-SEQID	TARGET	UTR	SEQUENCE	T-SEQID	BINDING-SITE
			===			
GAM15	<u>423</u>	PRIM2A	3 '	CAGGCAGATCTCAGACTC	50	C TCAGA
						GAGTC GAGATCT CCTG
						CTCAG CTCTAGA GGAC A C
GAM15	424	RAP1B	3 '	CCAGGTCTGAAGAACTGTTGCC	142	A CCG A
GAMILS	727	KAPID	3	CA CA	142	TG GT AG TCTTCAGACCTGG
				CA		
						AC CG TC AGAAGTCTGGACC
						C TTG A
GAM15	424	RET	3 '	CCAGGTCTAAACAGCTGACCCA	173	A CG ATCTTC
						TG GTC AG AGACCTGG
						AC CAG TC TCTGGACC
						C GACAAA
GAM15	<u>424</u>	RET	3 '	CCAGGTCTAAACAGCTGACCCA	174	A CG ATCTTC
						TG GTC AG AGACCTGG
						AC CAG TC TCTGGACC C GACAAA
GAM15	424	RET	3 '	CCAGGTCTAAACAGCTGACCCA	170	C GACAAA A CG ATCTTC
GAMITS	424	REI	3	CCAGGICIAAACAGCIGACCCA	. 179	TG GTC AG AGACCTGG
						AC CAG TC TCTGGACC
						C GACAAA
GAM15	424	RET	3 '	CCAGGTCTAAACAGCTGACCCA	. 37	A CG ATCTTC
						TG GTC AG AGACCTGG
						11 111 11 111111
						AC CAG TC TCTGGACC
						C GACAAA
GAM15	<u>425</u>	AMOTL1	3'	CTGATAAAGATTTCAGACTCA	304	
						TGAGTC GAGATCT TCAG
						1
						ACTCAG CTTTAGA AGTC A AAT
GAM15	424	DGKZ	3 '	CCAGACCTAGGGCTGGACTCA	70	G A C AC
3.4.1.3		2012	J			AG TCTT AG CTGG
				•	1111111	
					ACTCAGG	TC GGGA TC GACC

GAM15	426	DKFZP586G1	.122	3' CAGGTCTAGCCGGGCCCA	265	_ CA A AGAT TC TG GTCCG CT AGACCTG AC CGGGC GA TCTGGAC
GAM15	424	FLJ22127	3'	CCAGGCCTGAATGGATGGACTC A	192	C C A TGAGTCC ATCT TCAG CCTGG ACTCAGG TAGG AGTC GGACC
GAM15	423	LOC126248	3'	CAGCCCTGGCTGGACTC	308	TA C G ATCT AC _ GAGTCC AG TCAG CT G CTCAGG TC GGTC GA C
GAM15	424	LOC146640	5 '	CCAGGTGACCTACCCGGACTCA	323	_ CC A AGATCT AG TGAGTCCG TC ACCTGG ACTCAGGC AG TGGACC
GAM15	424	LOC153416	3 '	CCAGGTCTGAAGAACTGTTGCC CA	263	CCATCC A CCG A TG GT AG TCTTCAGACCTGG
GAM15	424	LOC220790	3 '	CCAGGTCTGAAGAACTGTTGCC CA	378	C TTG A A CCG A TG GT AG TCTTCAGACCTGG AC CG TC AGAAGTCTGGACC
GAM16	427	PRKG2	3'	CATGGTGGTATCTTAAAA	103	C TTG A T C TITTA AGA ATCACTATG AAAAT TCT TGGTGGTAC
GAM16	427	AFAP	3 '	CATAGCAGGGCGTCTGTAAAA	183	_ A A_ A_ TTTTATAGAC TC CTATG AAAATGTCTG GG GATAC
GAM16	427	C3AR1	3'	CATAGTGAAAGTTTATAAGA	76	CG AC A_ TTTTATAGAC TCACTATG AGAATATTTG AGTGATAC
GAM16	<u>427</u>	FLJ22029	3 '	CATGAAAATGTCTATAGAA	203	AA CAC TTTTATAGACAT TATG AAGATATCTGTA GTAC
GAM16	427	SEMA5A	3 '	CATAGTGACGTCCTGAAGA	72	AAA ATA A TTTT GAC TCACTATG AGAA CTG AGTGATAC
GAM16	427	UNC5D	3 '	CATAGGATTTCTATAGAA	234	GTC C C A TITITATAGA ATC CTATG AAGATATCT TAG GATAC
GAM16	428	LOC129446	3'	CATAGAATGTGTCTATAAA	315	TCA TTTATAGACAT CTATG AAATATCTGTG GATAC
GAM16	427	LOC153396	3'	CATAGTGGCTGCCTATAGAA	338	TAA A TTTTATAG CA TCACTATG AAGATATC GT GGTGATAC C C

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GAM16	427	LOC50999	3'	CATAATGGTGTCTTAAAA	145	T C TTTTA AGACATCA TATG AAAAT TCTGTGGT ATAC
GAM17	429	KIAA0830	3'	AACATTATGCTTACTGCATC	290	A TA GAT CAG AGG CATAATGTT CTA GTC TTC GTATTACAA
GAM17	430	PREI3	3'	AACATTATGTACTGTATATATC AT	275	C A CAGA ATGATA GGTACATAATGTT TACTAT TCATGTATTACAA
GAM17	431	SEC15L	3'	ACATATGCCTCTACTCATA	297	ATATG TAC CATA TATGA AGAGGTA ATGT ATACT TCTCCGT TACA
GAM17	432	LOC152317	3'	AACATCAATGGACTCTGTATCA	352	CA_ A GTA A TGATACAGAG CAT ATGTT ACTATGTCTC GTA TACAA
GAM18	433	DSCR1	3'	CATTITGAAATACTTAA	81	AG_ AC TT TTAAGTGTTTCAA GTG AATTCATAAAGTT TAC
GAM18	434	ELMO2	3'	CCAGGAGAAACACTTA	235	T_ AA G TAAGTGTTTC TT TGG ATTCACAAAG AG ACC
GAM18	434	ELMO2	3'	CCAGGAGAAACACTTA	186	G AA G TAAGTGTTTC TT TGG ATTCACAAAAG AG ACC
GAM18	<u>435</u>	FGF5	3 '	CCACAGGGAGCAAACACTTAG	227	GAA TTAAGTGTTT TTGTGG GATTCACAAA GACACC
GAM18	435	FGF5	3'	CCACAGGGAGCAAACACTTAG	83	CGAGG CAA_ TTAAGTGTTT TTGTGG GATTCACAAA GACACC
GAM18	<u>435</u>	NEFH	3'	CCACACGTAAACACTTGA	180	CGAGG CAAT TTAAGTGTTT TGTGG AGTTCACAAA ACACC
GAM18	<u>435</u>	NFIB	3 '	CCACAAAAGAAACACTTAA	93	TGC_ AA TTAAGTGTTTC TTGTGG AATTCACAAAG AACACC
GAM18	<u>435</u>	PRKY	3'	CCATAAATGAAACACTTGA	62	AA A TTAAGTGTTTCA TTGTGG AGTTCACAAAGT AATACC
GAM18	434	RNF18	5'	CCACAATTGGGTTCTTA	172	TGT TAAG TTCAATTGTGG
GAM18	435	SLC1A3	3'	CCACAATTGAAATTTTTAA	77	TT_ T

						TTAAG GTTTCAATTGTGG
GAM18	435	VMD2	3'	CCATTGGAAACATTTAA	78	T AATT TTAAGTGTTTC GTGG AATTTACAAAG TACC
GAM18	<u>435</u>	XRCC3	5'	CCAGGGAGACACTTAA	91	GT AAT G TTAAGTGTTTC T TGG AATTCACAGAG G ACC
GAM18	<u>435</u>	ARHGAP5	3 '	CTATATGAAACATTTAA	321	TTAAGTGTTTCA TGTGG
GAM18	<u>435</u>	EFA6R	3'	CCATTGTGAAACACTTAA	140	TTAAGTGTTTCA GTGG
GAM18	434	KIAA0903	3 '	CCACATGTAACACTTA	294	GT_ T AT TAAGTGTT CA TGTGG ATTCACAA GT ACACC
GAM18	436	KIAA1244	3 '	CCACAATTGTCTGAACAT	295	T GTGTTT CAATTGTGG TACAAG GTTAACACC
GAM18	435	Rpo1-2	3 '	CTGTGGTAAGAACACTTAA	214	TCT CA TG TTAAGTGTTT AT TGG AATTCACAAG TG GTC
GAM18	435	LOC115574	3'	CCACAACTGGAAACACTTGA	303	AA GT AA_ TTAAGTGTTTC TTGTGG AGTTCACAAAG AACACC
GAM18	434	LOC144144	5'	CCACAATTGGGTTCTTA	260	GTC TGT TAAG TTCAATTGTGG ATTC GGGTTAACACC
GAM18	435	LOC148254	3 '	CCATCAAAAGAAACACTTAA	329	TT_ AA TTAAGTGTTTC TTG TGG AATTCACAAAG AAC ACC
GAM18	<u>435</u>	LOC157624	5'	CCACTGAAACATTTAA	359	AA T ATT TTAAGTGTTTCA GTGG AATTTACAAAGT CACC
GAM18	434	LOC220486	5'	CCACAATTGGGTTCTTA	374	TGT — TAAG TTCAATTGTGG ATTC GGGTTAACACC
GAM19	437	AGL	3'	ATGCTTTCATTTTTTCACTG	31	TT_ AA A CAG GAAAAAAT AAAGCAT GTC CTTTTTTA TTTCGTA
GAM19	437	AGL	3 '	ATGCTTTCATTTTTTCACTG	43	A_ C AA A CAG GAAAAAAT AAAGCAT

GAM19	437	AGL	3'	ATGCTTTCATTTTTTCACTG	44	GTC CTTTTTTA TTTCGTA A_ C AA A CAG GAAAAAAT AAAGCAT
GAM19	<u>437</u>	AGL	3'	ATGCTTTCATTTTTTCACTG	45	GTC CTTTTTTA TTTCGTA A C AA A CAG GAAAAAAT AAAGCAT
GAM19	<u>437</u>	AGL	3 '	ATGCTTTCATTTTTCACTG	46	GTC CTTTTTTA TTTCGTA A C AA A CAG GAAAAAAT AAAGCAT
GAM19	<u>437</u>	AGL	3 '	ATGCTTTCATTTTTTCACTG	47	GTC CTTTTTA TTTCGTA A C AA A CAG GAAAAAAT AAAGCAT
GAM19	438	ALB	5'	GCTTTTCTCTTCTGTCA	40	GTC CTTTTTTA TTTCGTA A_ C AAAAAT TGACAGAAGA AAAAGC
GAM19	439	CKN1	3'	TTTTATTCTTTCTTCA	32	ACTGTCTTCT TTTTCG C A TGA AGAAGAAA AATAAAA
GAM19	440	HHIP	3 '	TTTATTTTTTATCCTGTCA	189	ACT TCTTCTTT TTATTTT C AAG TGACAG AAAAAATAAA
GAM19	438	IFNA1	3 '	GCTTTCATGAATTCTGTCA	194	ACTGTC TITTITATIT CTA GAAAAA A TGACAGAA AT AAAGC
GAM19	<u>439</u>	KCNJ6	5'	TTTTTTTTTCTTCTGCCA	60	ACTGTCTT TA TTTCG AAG C A T TG CAGAAGAAAAAA AAAA
GAM19	441	OTP	3'	GCTTTTATTTTATTTTATC	212	C T C GA GA AGAA AAAAATAAAAGC
GAM19	442	RHEB2	3'	ATGCTTCTTTTTTCTTCTGTTA	94	CT TTTT TTTTTATTTTCG A ATAA TGACAGAAGAAAAAA AAGCAT
GAM19	442	ANKRD6	3 '	ATGCTTTTATTCCCTTTGTTA	137	ATTGTCTTCTTTTT TTCGTA C AGAAAA TGACAGA AATAAAAGCAT
GAM19	443	EVI5	3 '	TGCAGGTTTTTCTTCTTCA	95	CCC C ATAAAA TGA AGAAGAAAAA GCA
GAM19	442	FLJ00026	3'	ATGCTTTGCTTTTTTTCTTATC	3 270	ACT TCTTCTTTT CGT GGA G TA TGACA AAGAAAAAA AAAGCAT

						ACTGT TTCTTTTTT TTTCGTA A TCG
GAM19	442	GP5	3'	ATGCTCATATCATTTTTCTTCT TCA	84	C AA TGA AGAAGAAAAA ATA AGCAT ACT TCTTCTTTT TAT TCGTA
GAM19	444	KHDRBS3	3'	ATGCTAGTTTTTTTTTCTCTT	107	C AC AC C AAA GA AGAAGAAAAAAAAAAAAAAAAA
GAM19	443	KIAA0254	3 '	TGCTGTGTTCTTTCTGTCA	132	TT TCTTTTTTTTG TCGTA C A AAAATAAA TGACAGAA GAA AGCA
GAM19	<u>445</u>	KIAA1165	3'	ATGCTTTATAACCTCTTCTGT	281	ACTGTCTT CTT TCGT T GTG AAAAAATA ACAGAAGA AAAGCAT
GAM19	<u>438</u>	KIAA1240	3'	GTGGCCATTTTTTCTTCTGTCA	277	TGTCTTCT TTTCGTA CCAATA_ AAAA TGACAGAAGAAAAAAT GC
GAM19	445	NYD-SP15	3 '	ATGCCATTTTTTTTTCTTCTGT	209	ACTGTCTTCTTTTTA TG CCGG TAAAA ACAGAAGAAAAAAA GCAT
GAM19	441	PELI1	5'	GCTTTACTCTTTCTTCTGTC	175	TGTCTTCTTTTT CGTA TTAC_ AAATA GACAGAAGAAA AAAGC
GAM19	446	PRO0159	5'	TTATTTTTCCTTGTCA	125	CTGTCTTCTTT TTTCG CTCA_ AA TGACAG GAAAAAATAA
GAM19	442	RACGAP1	3'	ATGTGAGCTTTTTCTTCTGTTA	121	ACTGTT CTTTTTATT C_ ATAAAA TGACAGAAGAAAAAA GCAT
GAM19	446	SDFR1	3'	TTATCTTTTCTTCTGTTA	118	ATTGTCTTCTTTTT TGTA CGAG A TGACAGAAGAAAA ATAA
GAM19	446	SDFR1	3'	TTATCTTTTCTTCTGTTA	151	
GAM19	446	SS18L1	3'	TTATTCTATCTTCTGTCA	272	
GAM19	442	SV2B	3 '	ATGTTTACTCTCCTTCTGTCA	136	 ACTGTCTTCT TTATT ATC AAAAAATAA TGACAGAAG AAGCAT
GAM19	443	LOC130589	3'	TGCTTTTATTTCCTCCTCCTTC A	244	ACTGTCTTC TTTGTA CTCTCA CA A AA TGA GA GA AAATAAAAGCA ACT CT CT TTTATTTTCGT

GAM19	447	LOC200107 3'	ATGCTTTTACTTTTTCTTTT 3	364	TC C CC A AGAAGAAAAA TAAAAGCAT TTTTCTTTTT ATTTTCGTA
GAM19	448	LOC203340 3'	TGCTTTTATTTTCCTTC 3	368	C AA GAAG AAAATAAAAGCA CTTC TTTTATTTTCGT
GAM19	443	LOC221271 3'	TGCCTTTTTTTCTGTCA 3	380	C_ ATAAAA TGACAGAAGAAAAAA GCA
GAM19	442	LOC254778 3'	ATGCTTTTCTTCTATCA 4	400	C AAATAAA TGA AGAAGAAA AGCAT ACT TCTTCTTT TCGTA
GAM19	449	LOC51312 5'	GCTTTTATTTTCTCCTCT	164	A A AGA GA AAAATAAAAGC
GAM19	450	LOC91286 5'	TTTTATTTCTTTTTCTGTCA 2	273	A TGACAGAAGAA AAATAAAAG ACTGTCTTTT TTTATTTTT C
GAM19	<u>451</u>	LOC92223 3'	ATGCTTTTATTGTACCTTC 2	286	AAAA GAAG AATAAAAGCAT CTTC TTATTTTCGTA CATG
GAM19	452	LOC92482 5'	TGCATCTTTTCTTCTGT	288	A AAAA ACAGAAGAAAA AT GCA TGTCTTCTTTT TA CGT C
GAM20	453	ATRN 3'	CTATCTGATGCACAGAA	248	G AAG TT TGTGCATCA GATAG
GAM20	453	ATRN 3	CTATCTGATGCACAGAA	248	G AAG TT TGTGCATCA GATAG AA ACACGTAGT CTATC G
GAM20	<u>454</u>		3 3' CTTTTTCTTAATGCATACA		TATTGTGTGCAT AGGA AGAG ATAACATACGTA TTCT TTTC AT
GAM20			3 3' CTTTTTCTTAATGCATACA		TATTGTGTGCAT AGGA AGAG ATAACATACGTA TTCT TTTC AT
GAM20	454		CTCTACCCTCTCCCACCACACA GTA		CATCAA
GAM20	<u>454</u>	FLJ13102 3	CTCTACCCTCTCCCACCACACA GTA	202	CATCAA_ A TATTGTGTG AGG TAGAG ATGACACAC TCC ATCTC CACCCTC C

GAM20	<u>453</u>	HSPC014	3'	CTGTAATTTGATGTACACAA	144	GG TTGTGTGCATCAAA ATAG AACACATGTAGTTT TGTC
GAM20	<u>454</u>	HSPC014	3'	CTGTAATTTGATGTACACAA	144	AA GG TTGTGTGCATCAAA ATAG AACACATGTAGTTT TGTC
GAM20	455	KIAA0040	3'	TCTATCCCCTTGTCACATA	129	AA TCAAA TGTGTG CA GGATAGA ATACAC GT CCTATCT
GAM20	<u>455</u>	KIAA0040	3'	TCTATCCCCTTGTCACATA	129	T TCC TCAAA TGTGTG CA GGATAGA ATACAC GT CCTATCT
GAM20	456	KIAA0470	3'	CCACTTGATGCACAAATA	134	T TCC G A TATT TGTGCATCAA GG
GAM20	<u>456</u>	KIAA0470	3 '	CCACTTGATGCACAAATA	134	G A_ TATT TGTGCATCAA GG ATAA ACACGTAGTT CC
GAM20	457	KIAA1908	5'	CTCTCGGGCGATGCACACAA	302	_ CA AAAGGAT TTGTGTGCATC AGAG
GAM20	<u>457</u>	KIAA1908	5'	CTCTCGGGCGATGCACACAA	302	CGGGC
GAM20	<u>454</u>	MGC22014	3'	CTCTATCCTTGTATATCACAA? A	r 269	AACACACGTAG TCTC CGGGC TGCATCA TATTGTG AAGGATAGAG
GAM20	<u>454</u>	MGC22014	3'	CTCTATCCTTGTATATCACAA?	г 269	ATAACAC TTCCTATCTC TATATG TGCATCA TATTGTG AAGGATAGAG
GAM20	<u>453</u>	TNRC9	3 '	CTGTATTTTGATGCAACAA	293	TATATG_ G G G TTGT TGCATCAAAG ATAG
GAM20	<u>453</u>	TNRC9	3'	CTGTATTTTGATGCAACAA	293	AACA ACGTAGTTTT TGTC A G G TTGT TGCATCAAAG ATAG
GAM20	<u>454</u>	LOC11612	3 3'	CTTTGGTTTGATGCATACAAT	A 243	AACA ACGTAGTTTT TGTC - GGA TATTGTGTGCATCAAA TAGAG
GAM20	454	LOC11612	3 3'	CTTTGGTTTGATGCATACAAT	A 243	ATAACATACGTAGTTT GTTTC G_ GGA TATTGTGTGCATCAAA TAGAG
GAM20	<u>458</u>	LOC14972	1 3'	CTATCATGTGGATGCACACA	334	ATAACATACGTAGTTT GTTTC G AAAG_

					TGTGTGCATC GATAG ACACACGTAG CTATC
GAM20	458	LOC149721 3'	CTATCATGTGGATGCACACA	334	GTGTA AAAG_
					TGTGTGCATC GATAG ACACACGTAG CTATC GTGTA
GAM20	454	LOC153338 5'	CTCTATCCCTCTGTGGCCAATA	354	T G CAAA TATTG GT CAT GGATAGAG
					ATAAC CG GTG CCTATCTC TCTC
GAM20	454	LOC153338 5'	CTCTATCCCTCTGTGGCCAATA	354	T G CAAA TATTG GT CAT GGATAGAG
GAM20	456	1.00220766 31	CCACTTGATGCACAAATA	375	ATAAC CG GTG CCTATCTC TCTC G A
0.2.20	150	200220700 3	CONCITORIOCACAMATA	3,3	TATT TGTGCATCAA GG
GAM20	<u>456</u>	LOC220766 3'	CCACTTGATGCACAAATA	375	CA
					TATT TGTGCATCAA GG ATAA ACACGTAGTT CC
GAM20	<u>453</u>	LOC253351 5'	CTGGCACCTGATGCACACAA	402	_ CA AAGGA TTGTGTGCATCA TAG
GAM20	<u>453</u>	LOC253351 5'	CTGGCACCTGATGCACACAA	402	AAGGA TTGTGTGCATCA TAG
•					
GAM20	<u>454</u>	LOC257484 3'	CTCTATCCTTGTATATCACAAT A	366	TGCATCA TATTGTG AAGGATAGAG
GAM20	454	LOC257484 3'	CTCTATCCTTGTATATCACAAT	366	ATAACAC TTCCTATCTC TATATG_ TGCATCA
			A		TATTGTG AAGGATAGAG ATAACAC TTCCTATCTC
GAM21	<u>459</u>	KIAA1843 3'	ATAGAAAGTAGCCAAAAA	267	TATATG_ CTG TTTTTG TACTITCTAT
					 AAAAAC ATGAAAGATA
GAM21	<u>460</u>	SDFR1 3'	AAAGTACAGCAAAACCTA	117	CG_ T TAG TTTTGCTGTACTTT
			•		 ATC AAAACGACATGAAA C
GAM21	460	SDFR1 3'	AAAGTACAGCAAAACCTA	150	T TAG TTTTGCTGTACTTT
GAM21	461	LOC132617 31	CTACAGACCATAGCAAAAAC	314	ATC AAAACGACATGAAA C ACTT A
					GTTTTTGCTGT TCT TAG
GAM21	461	LOC145622 3'	CTATAGAACAATGCAAAAAC	322	CC C TGTACT
					GTTTTTGC TTCTATAG

GAM21	462	LOC222681	3 '	CTACAGAACATGGAGCAAAAAC TA	386	G CT A TAGTTTTTGCT TA TTCT TAG
GAM21	462	LOC257507	3 '	CTACAGAACATGGAGCAAAAAC TA	405	G AC C G CT A TAGTTTTTGCT TA TTCT TAG ATCAAAAACGA GT AAGA ATC
GAM21	462	LOC257625	3'	CTACAGAACATGGAGCAAAAAC TA	406	G AC C G CT A TAGTTTTTGCT TA TTCT TAG
GAM22	463	BTEB1	3 '	ACCACTACATCCATCT	53	G AC C GCA AGATGGGTG AGTGGT TCTACCTAC TCACCA
GAM22	464	CEP2	3'	ACCACCTCCTTCATCTT	112	T CAA AAGATGGG GG GTGGT TTCTACTT CC CACCA
GAM22	463	ECM1	3'	ACCCTGCCCCACCCATCT	82	_ TC_ CA_ T AGATGGGTGG AG GGT TCTACCCACC TC CCA
GAM22	465	ENG	3 '	ACCACTTGCCACGCTGTT	34	CCG _ GATGG GTGGCAAGTGGT TTGTC CACCGTTCACCA
GAM22	463	ESRRG	3'	ACCACTTTTCAGCCATTT	276	G G C AGATGG TGG AAGTGGT TTTACC ACT TTCACCA
GAM22	466	HDAC4	3'	ACCACTCGACTCATCTTG	98	G T GGCA TAAGATGGGT AGTGGT GTTCTACTCA TCACCA
GAM22	466	IL6	3'	ACCACTTGAAACATTTTA	41	GC GGTGG TAAGATG CAAGTGGT ATTTTAC GTTCACCA
GAM22	466	LRAT	3 '	ACCACTTAAAATTATCTTA	259	AAAGTGGC TAAGATGG AAGTGGT ATTCTATT TTCACCA
GAM22	466	MYLK2	3'	ACCACTCGGGGCCCCCATCTTG	226	AAAA_ T A TAAGATGGG GGC AGTGGT
GAM22	463	PRKACB	3'	ACCACTTCTTTCATCT	61	GGGC T C AGATGGG GG AAGTGGT TCTACTT TC TTCACCA
GAM22	463	PRLR	3'	ACCACTTGCCTCTTTCT	51	T T T AGA GGG GGCAAGTGGT

						TCT TCT CCGTTCACCA
GAM22	464	SLC6A6	3'	ACCACTTGAATTGATCTT	65	T G GG AAGAT GGT CAAGTGGT TTCTA TTA GTTCACCA
GAM22	466	WASF3	3'	ACCACTTGGTCAGAATTTTA	109	G A_ GGG _ TAAGAT TGGC AAGTGGT
GAM22	<u>466</u>	ХK	3'	ACCACTTGCACTATTCTTA	181	AG_ G TG G TAAGA GGTG CAAGTGGT
GAM22	<u>463</u>	ZYX	3 '	ACCACCTGCCCCCACCT	69	TA A T A AG TGGG GGCA GTGGT
GAM22	463	ARHF	3'	ACCCTGGACCACCCATCT	167	TC ACCC CCGT CACCA C CA T AGATGGGTGG AG GGT
GAM22	<u>467</u>	DDR1	5'	CGCACCACCCATTTTA	57	TCTACCCACC TC CCA AGG _ CAA TAAGATGGGTGG GTG
GAM22	467	DDR1	5'	CGCACCACCCATTTTA	122	ATTTTACCCACC CGC ACAA TAAGATGGGTGG GTG
GAM22	467	DDR1	5'	CGCACCACCCATTTTA	123	ATTTTACCCACC CGC ACAA TAAGATGGGTGG GTG
GAM22	<u>466</u>	DKFZP547E	:1010) 5' ACCACCTCCCTATCTTA	14:	TAAGATGGG G GTGGT
GAM22	466	DKFZP547E	1010) 5' ACCACCTCCCTATCTTA	280	TAAGATGGG G GTGGT
GAM22	<u>463</u>	FLJ11715	3'	ACCGCGCCCAGCCCATCT	197	ATTCTATCC C CACCA CTAA AGATGGGT GGC GTGGT
GAM22	463	FLJ12587	3'	ACCAGGGCCGCATCCATCT	190	AC AGATGG GTGGC TGGT
GAM22	465	FLJ12650	3 '	ACCACTTGCCAATGCCTCTC	196	TCTACC CGCCG ACCA TA GG_ T GA GGGT GGCAAGTGGT
GAM22	<u>468</u>	FLJ13265	3'	ACCACTTGCCCTGCCTCA	201	CT TCCG CCGTTCACCA C TAA TG GGT GGCAAGTGGT

GAM22	<u>463</u>	FLJ20546	3'	ACCTCTGCCACCCATCT	155	T TC A T AGATGGGTGGCA G GGT TCTACCCACCGT C CCA
GAM22	466	FLJ32865	3'	ACCACCACGCCCAGCTTA	251	T A GCAA TAAG TGGGTG GTGGT ATTC ACCCGC CACCA
GAM22	463	GPR88	3'	ACCACTTGTTGTACATCT	185	G AC G TG AGATG G GCAAGTGGT TCTAC T TGTTCACCA
GAM22	463	HSPC216	3'	ACCTGACCACCCATTT	149	A GT AGT AGATGGGTGG CA GGT TTTACCCACC GT CCA
GAM22	466	JIK	3'	ACCACATTCCCCATTTA	148	T CAA TAAGATGGG GG GTGGT ATTTTACCC CT CACCA TA
GAM22	466	KIAA0153	3 '	ACCACCCAGCAAGCCCGCCTTA	. 139	A G AA TAAG TGGGT GC GTGGT
GAM22	466	KIAA0215	3'	ACCAGGAGACCACCATCTTA	130	G CAAG_ TAAGATGG TGG TGGT ATTCTACC ACC ACCA AGAGG
GAM22	468	KIAA0461	3'	ACCACTTGTTGAAATCCA	291	TGGGT GGCAAGTGGT ACCTA TTGTTCACCA AAG
GAM22	<u>466</u>	MEGF10	3'	ACCACAGACTCATCTTA	216	GGCAA TAAGATGGGT GTGGT ATTCTACTCA CACCA GA
GAM22	<u>468</u>	MGC2452	5'	ACCACTAATTGCCACTCA	218	TGGGTGGCA AGTGGT ACTCACCGT TCACCA TAA
GAM22	466	MGC4796	3'	ACCTTCACCTCATCTTA	266	CAAGT TAAGATG GGTGG GGT ATTCTAC CCACT CCA
GAM22	463	MRPL10	3'	ACCACATTGTACCCATTT	256	G AGATGGGTG CAA GTGGT TTTACCCAT GTT CACCA
GAM22	466	MRPL42	5'	ACCACTTGATAAGCATCTTG	299	GG G TAAGATG TG CAAGTGGT GTTCTAC AT GTTCACCA GA A
GAM22	464	POLYDOM	3'	ACCACTGCTATCCATCTT	195	A AAGATGGGTGGCA GTGGT TTCTACCTATCGT CACCA
						_

GAM22	463	PRO0246	5 '	ACCACTTGCTATGGTCT	126	GG AGAT GTGGCAAGTGGT TCTG TATCGTTCACCA
GAM22	466	SMCR7	3'	ATGACTTGCCACCCACCT	247	G_AGTGGGTGGCAAGTGT
GAM22	466	TPD52	3'	ACCACTTATATCAACTTA	88	C G ATG GC TAAG GGTG AAGTGGT ATTC CTAT TTCACCA
GAM22	464	ZNF384	3'	ACCACTCATCACGGCCATCTT	239	AA A CA
GAM22	466	LOC124216	3 '	ACCTCTCCTCACCCATCTTA	307	GG AC CA T TAAGATGGGTGG AG GGT
GAM22	463	LOC144509	5'	ACCACCAGCTGCACCCATCT	320	CC T AA AGATGGGTG GC GTGGT TCTACCCAC CG CACCA
GAM22	463	LOC146822	3 '	ACCACCTGCCCTACCATTT	324	GT AC GT_ A AGATGG GGCA GTGGT
GAM22	463	LOC148371	. 5'	ACCACTTCTGGCCATCT	330	TTTACC CCGT CACCA ATC C G C AGATGG TGG AAGTGGT
GAM22	<u>464</u>	LOC149373	31	ACCTGCCGGCCACCCATTCA	333	TCTACC GTC TTCACCA G _ A AA _ A GATGGGTGGC GT GGT
GAM22	466	LOC151146	5'	ACCCCCCAGCCCATCTTA	336	A TTACCCACCG CG CCA C GC T CAAGT TAAGATGGG TGG GGT
GAM22	466	LOC157562	? 5'	ACCACCCAGTCATTTTA	357	G CAA TAAGATGG TGG GTGGT
GAM22	466	LOC160897	7 3'	ACCACTTATAATGCCTCATCTT A	341	G TAAGATG GGTG AAGTGGT
GAM22	463	LOC161589	9 5'	ACCACTGCTGGCCATCT	343	T AATA G A AGATGG TGGCA GTGGT
GAM22	468	LOC16368:	2 5'	ACCACTTGCCGAGCTCCTA	361	TCTACC GTCGT CACCA G TGGG TGGCAAGTGGT
GAM22	466	LOC19969	2 3'	ACCAGTAACCTATCTTA	257	ATCC GCCGTTCACCA TCGA G AAG

						TAAGATGGGT GC TGGT
GAM22	463	LOC202108	5'	ACCACTACTGGCCATCT	367	G CA AGATGG TGG AGTGGT TCTACC GTC TCACCA
GAM22	464	LOC221468	3 '	ACCACCCAGTTCTTCATCTT	258	G A_ TG AA_ AAGATGGG GC GTGGT TTCTACTT TG CACCA
GAM22	463	LOC221838	5'	ACCACTACTGGCCATCT	385	CT ACC G CA AGATGG TGG AGTGGT TCTACC GTC TCACCA
GAM22	463	LOC221839	5'	ACCACTACTGGCCATCT	384	G A_ G CA AGATGG TGG AGTGGT TCTACC GTC TCACCA
GAM22	<u>465</u>	LOC90313	5'	ACCACCCCTGTGCCCATC	268	G A_ G A_ GATGGGTG CA GTGGT CTACCCGT GT CACCA
GAM22	<u>466</u>	LOC92399	3'	ACCACCTGCTCCTCATCTTA	242	CCC TG A TAAGATGGG GCA GTGGT ATTCTACTC CGT CACCA
GAM23	<u>469</u>	ADAM8	3 '	AGAGAAGCCATGCGTTCC	52	CT C A T CAA C GAC CAT GCTTCTCT
GAM23	<u>469</u>	BN51T	3 '	AGAGAGCAAGGATTGAGTCTG	363	C C CAAT . CAGACTCA TC GCT CTCT
GAM23	469	CD3 Z	3'	AGACTGACCTTGATGAGCTG	48	T GAA _ A C C_ CAG CTCATCAAG TT TCT GTC GAGTAGTTC AG AGA
GAM23	<u>470</u>	DAAM2	3'	AGGTGCTTGATGAATCTG	381	_ C TC C T CAGA TCATCAAGC TCT GTCT AGTAGTTCG GGA
GAM23	471	DLG4	3'	AGGGAGGATGGGTCT	54	A T AAG AGACTCATC CTTCTCT TCTGGGTAG GGAGGGA
GAM23	472	DMD	5'	AGAAAAGCTTGAGCAAGTC	73	CA C GACT TCAAGCTT TCT CTGA AGTTCGAA AGA
GAM23	472	DMD	5'	AGAAAAGCTTGAGCAAGTC	74	ACG A CA_ C GACT TCAAGCTT TCT CTGA AGTTCGAA AGA
GAM23	472	DMD	5′	AGAAAAGCTTGAGCAAGTC	75	ACG A CA_ C GACT TCAAGCTT TCT

						 CTGA AGTTCGAA AGA ACG A
GAM23	473	E2F1	3'	AGGCCTCTTTGGTGAGCCTG	348	CAG CTCATCAA GCTT
GAM23	<u>471</u>	EBP	3'	AGAGAAGCCAGGAGGTCT	108	C TCTC CA AA_ AGACT TC GCTTCTCT TCTGG AG CGAAGAGA
GAM23	<u>472</u>	FANCG	5 '	AGAGAAGCAGGGGAGCTC	85	GAC A AA GA CTC TC GCTTCTCT CT GAG GG CGAAGAGA
GAM23	470	FE65L2	5'	AGGCGCCTGATGAGTTCA	99	C _ GA A T C GACTCATCA GC TCT A TTGAGTAGT CG GGA
GAM23	<u>470</u>	FE65L2	5'	AGGCGCCTGATGAGTTCA	236	C C C A A T C GACTCATCA GC TCT
GAM23	470	FE65L2	5'	AGGCGCCTGATGAGTTCA	237	C C C A A T C GACTCATCA GC TCT
GAM23	<u>470</u>	FE65L2	5'	AGGCGCCTGATGAGTTCA	238	C C C A A T C GACTCATCA GC TCT
GAM23	<u>469</u>	FGFR4	3 '	AGAGAAGCTGGAAGCCTG	193	C C C A CA A CAG CT TC AGCTTCTCT GTC GA AG TCGAAGAGA
GAM23	<u>469</u>	FGFR4	3 '	AGAGAAGCTGGAAGCCTG	58	C _ G A CA A CAG CT TC AGCTTCTCT
GAM23	<u>472</u>	FHL1	3'	AGAGAAGCTGATGCCTC	55	C G CT A GA CATCA GCTTCTCT CT GTAGT CGAAGAGA
GAM23	<u>469</u>	GCNT2	5'	AGAGAAACGAGTGAGTTTG	56	CC CAAGC CAGACTCAT TTCTCT GTTTGAGTG AAGAGA
GAM23	<u>469</u>	GNRHR	5'	AGAGAAGCTGGTAATTCTG	38	AGCA_ CTC A CAGA ATCA GCTTCTCT GTCT TGGT CGAAGAGA
GAM23	<u>470</u>	HIS1	5'	AGGGGAGATGAGTTTG	105	TAA AAG CAGACTCATC CTTCT GTTTGAGTAG GGGGA
GAM23	<u>469</u>	HNRPDL	3'	AGAAAGGTATGAGTTTG	92	ACAAC CAGACTCAT GCTT TCT

						GTTTGAGTA TGGA AGA
GAM23	469	INHBA	3 '	AGAAAGCCATGAGTTTG	59	CAA C CAGACTCAT GCTT TCT
						GTTTGAGTA CGAA AGA
GAM23	469	KIF3B	3'	AGAGAAGCTCATAAGTGTG	87	C G C CA CA ACT AT AGCTTCTCT
				•		
GAM23	469	MSN	3 '	AGAGAAGCCTGTGCCCTG	262	G A C_ ACT T A
						CAG CA CA GCTTCTCT
GAM23	469	MTR	3 '	AGAGAAGTGTGACCCTG	36	CC C AC CAA
						CAG TCAT GCTTCTCT
arvar	450	Danin a		A CA CA A COMPA CA TICOTO	169	GTC AGTG TGAAGAGA CC ACTC A
GAM23	<u>469</u>	PCDHB9	3 '	AGAGAAGTTAGATCCTG	169	CAG ATC AGCTTCTCT
						GTC TAG TTGAAGAGA C A
GAM23	469	SMARCA3	3 '	AGAGAAGCTTCATGTTTG	246	TCATC CAGAC AAGCTTCTCT
GAM23	469	SMARCA3	3 '	AGAGAAGCTTCATGTTTG	66	$\overline{\text{TCATC}}$ CAGAC AAGCTTCTCT
GAM23	470	SMG1	3'	AGACAGTAGATGAGTCTG	138	TAC AA CAGACTCATC GCT TCT
						 GTCTGAGTAG TGA AGA
GAM23	469	SNCAIP	5 '	AGAAAGGGGGTGAGTCTG	399	A_ C AAG C CAGACTCATC CTT TCT
						GTCTGAGTGG GAA AGA
GAM23	469	SYNGR1	3'	AGGGGAGCGATGAGCTG	86	GG A AA
						CAG CTCATC GCTTCTCT
GAM23	474	UCP2	5'	AGAGAAGCTTGATCTTGGAG	68	
						CTC ATCAAGCTTCTCT
GAM23	470	BMF	21	AGAGGCTGATGTGTCTG	229	GAG TAGTTCGAAGAGA GTTC T A
GAMIZS	470	Brit	3	AGAGGCIGATGIGICIG	223	CAGAC CATCA GCTTCT
						GTCTG GTAGT CGGAGA T
GAM23	472	BNIP2	3'	AGAGAATGTGATGAGTT	278	AGC GACTCATCA TTCTCT
						TTGAGTAGT AAGAGA GT_
GAM23	472	DDX33	3 '	AGAGAAGCCTTGGAATC	171	C AT GA TC CAAG CTTCTCT

GAM23	<u>475</u>	EML4	3 '	AGAAACTITGGATGAGTT	168	A C C GACTCATC AAG TTCT
GAM23	471	EPB41L4	3 '	AGAGAAGAAATGGGTCT	187	TTGAGTAG TTC AAGA GT A CAAG AGACTCAT CTTCTCT TCTGGGTA GAAGAGA
GAM23	469	FLJ11588	5 '	AGAGAAGCAGAACGGCCTG	199	AA
GAM23	471	FLJ20150	3 '	AGAGAAGCCTGTGGCT	153	GTC GG AG CGAAGAGA C CA A A T T A AG C CA CA GCTTCTCT TC G GT GT CGAAGAGA
GAM23	<u>470</u>	FLJ20507	3 '	AGATGTTGATGAGGCTG	154	A G T CAG CTCATCAA C TCT GTC GAGTAGTT G AGA
GAM23	<u>470</u>	FLJ20507	3'	AGATGTTGATGAGGCTG	261	G T A GT CAG CTCATCAA C TCT GTC GAGTAGTT G AGA
GAM23	469	FLJ20972	3'	AGAGAAGCAGTTGGCATCTG	205	G T TCAA C_ TCAA CAGA TCA GCTTCTCT GTCT GGT CGAAGAGA
GAM23	<u>472</u>	FLJ22233	3'	AGAGAAGCTAGAAGTC	204	AC TGA_ CA A GACT TC AGCTTCTCT CTGA AG TCGAAGAGA
GAM23	469	FLJ23191	3'	AGAGAAGTTGTGACCTG	198	A AC CA CAG TCAT AGCTTCTCT GTC AGTG TTGAAGAGA
GAM23	469	FLJ23468	5 '	AGAGAAACCAGCTGAGTCTG	200	C_ TCAA CAGACTCA GCT TCTCT GTCTGAGT CGA AGAGA
GAM23	<u>471</u>	GIT2	3'	AGAGAAGCATCAGTCT	133	CCAA C CAA AGACT AT GCTTCTCT TCTGA TA CGAAGAGA
GAM23	<u>471</u>	GIT2	3'	AGAGAAGCATCAGTCT	231	C C CAA AGACT AT GCTTCTCT TCTGA TA CGAAGAGA
GAM23	471	GIT2	3 '	AGAGAAGCATCAGTCT	232	C C CAA AGACT AT GCTTCTCT TCTGA TA CGAAGAGA
GAM23	<u>471</u>	GRID1	3'	AGAGAAGCCTAGGTGGGCT	285	C A AA AG CTCATC GCTTCTCT TC GGGTGG CGAAGAGA _ ATC

GAM23	473	GT650	3 '	AAGCTTTCTATGAGTTTG	230	CCAGACTCAT AAGCTT
GAM23	<u>470</u>	IKKE	3'	AGGACTGTGAGTCTG	124	TCT CA C CAGACTCAT AG TTCT GTCTGAGTG TC AGGA
GAM23	472	KIAA0254	5'	AGAGGACCGCGATGAGTC	131	AA GACTCATC GC TTCTCT CTGAGTAG CG AGGAGA
GAM23	469	KIAA1026	3'	AGAGAAGCTGCCTCAGTCTG	292	CC CATCA CAGACT AGCTTCTCT GTCTGA TCGAAGAGA
GAM23	472	KIAA1163	3'	AGAGAAGCATGTCTGAGTT	331	CTCCG T_ A GACTCA CA GCTTCTCT TTGAGT GT CGAAGAGA
GAM23	<u>470</u>	KIAA1598	3'	AGAAGCTTCTGTTTTGGGTCTG	161	CT A TC CAGACTCA AAGCTTCT GTCTGGGT TTCGAAGA
GAM23	470	KIAA1853	3'	AGAAGCAATGGGTCTG	287	TTTGTC CAA CAGACTCAT GCTTCT GTCTGGGTA CGAAGA
GAM23	472	LOXL4	3'	AGAGAAGCTGGTGGATC	213	A CT A GA CATCA GCTTCTCT CT GTGGT CGAAGAGA
GAM23	469	METAP1	3'	AGAGAAGCGTGAAGTTTG	298	AG _ CA A CAGACT TCA GCTTCTCT GTTTGA AGT CGAAGAGA
GAM23	<u>472</u>	MGC11034	3'	AGAGAAGCTCTTTGAAGTT	211	GTCA GACT CA AGCTTCTCT TTGA GT TCGAAGAGA
GAM23	470	MGC14128	3'	AGAAGCTTTGAGAGCCTG	222	A TTC A A CAG CTC TCAA GCTTCT GTC GAG AGTT CGAAGA
GAM23	<u>470</u>	MGC16175	5'	AGAGGCTGTGAGTCTG	219	C _ T CA CAGACTCAT AGCTTCT GTCTGAGTG TCGGAGA
GAM23	472	MGC2752	5'	AGAGAAGCTCAGTAGAATC	327	C CA GA TC AT AGCTTCTCT
GAM23	469	MGC34923	3 '	AGAGAAGTAGGAAGAGCCTG	254	A A AC A A AA CAG CTC TC GCTTCTCT GTC GAG AG TGAAGAGA
GAM23	<u>469</u>	NR1I3	5 '	AGAGAAGCAGGAGTCTG	89	C A GA ATCAA

						CAGACTC GCTTCTCT
GAM23	469	NYD-SP15	3 '	AGAGAAGAAATATTTGAGTCTG	208	GA TCAAG
	_					CAGACTCA CTTCTCT
GAM23	<u>469</u>	OSBPL8	5 '	AGAGAAGTTGGGGTCTG	177	TTATAAA ATCAA CAGACTC GCTTCTCT
						 GTCTGGG TGAAGAGA GT
GAM23	469	PLEKHA4	5'	AGAGACCCTGTGAGTCTG	178	CA CT CAGACTCAT AG TCTCT
GAM23	469	PRKWNK2	3'	AGAGATGATTGAGTCTG	372	GTCTGAGTG TC AGAGA — CC — AGCT
GAM23	403	FRANKZ	,	AGAGATGATTGAGTCTG	372	CAGACTCA TCA TCTCT
GAM23	469	PSMD4	3 '	AGGGTAGCTGAGTCTG	63	T TCAA T CAGACTCA GCT CTCT
GAM23	<u>469</u>	RIS1	3'	AGAGAAGCTCTTTGTATCTG	337	CT TCA CAGA CA AGCTTCTCT
GAM23	469	RNF24	3 '	AGAGGAGTGGATGAGCCTG	114	GTCT GT TCGAAGAGA AT TTC A AA
0.2.23			•			CAG CTCATC GCTTCTCT
GAM23	469	SNURF	3 '	AGAAAAGCGGGTTTTGGGTCTG	96	C G_ TCAA C CAGACTCA GCTT TCT
GAM23	469	SULT4A1	3 '	AGAGAAGCTTGTGTTTTTG	284	CT T CAGA CA CAAGCTTCTCT
GAM23	469	SV2B	3'	AGAGAATTGTGTGAGTCTG	135	GTTT GT GTTCGAAGAGA TT _ GC
						CAGACTCAT CAA TTCTCT GTCTGAGTG GTT AAGAGA
GAM23	469	SZF1	5'	AGAGAAGCCTAGATATCTG	147	T CTC AA_ CAGA ATC GCTTCTCT
GAM23	469	TLR10	5'	AGAGAGGGTATTGAGTCTG	210	TCAAG CAGACTCA CTTCTCT
GAM23	472	ZNF185	3'	AGAGGAGCTTGTGAATC	111	GTCTGAGT GGAGAGA TATG_ C T
						GA TCA CAAGCTTCTCT CT AGT GTTCGAGGAGA
GAM23	<u>470</u>	LOC113612	3'	AGAAGGATGAGTTTG	300	A _ AAG CAGACTCATC CTTCT

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GAM23	472	LOC133539 3'	AGAGAAGCCCAGGATGGTC	312	T AA GCTTCTCT CTG GTAG CGAAGAGA
GAM23	<u>469</u>	LOC139221 5'	AGAGAAGCACATGACCTG	313	GACC AC CAA CAG TCAT GCTTCTCT GTC AGTA CGAAGAGA
GAM23	<u>473</u>	LOC142941 3'	AAGTTTATTGTAATGAGTCTG	345	C_ CA_ CAGACTCAT CAA GCTT GTCTGAGTA GTT TGAA
GAM23	469	LOC145717 5'	AGAGAGTGGGGGTGAGTCTG	279	AT ATT AA T CAGACTCATC GCT CTCT GTCTGAGTGG TGA GAGA
GAM23	469	LOC147229 3'	AGAGAAGCTGGCAAGAGCTG	325	GGG _ A ATCA_ CAG CTC AGCTTCTCT GTC GAG TCGAAGAGA
GAM23	<u>472</u>	LOC147658 3'	AGAAAAGTTTGAAGTC	326	_ AACGG CA C GACT TCAAGCTT TCT CTGA AGTTTGAA AGA
GAM23	471	LOC147920 3'	AGAGAAGCCTGAGGAATTT	328	C A A AGA TC TCA GCTTCTCT TIT AG AGT CGAAGAGA
GAM23	<u>469</u>	LOC148894 5'	AGAGAAGCTCCGTGGGCCTG	347	A G C A CA CAG CTCAT AGCTTCTCT GTC GGGTG TCGAAGAGA
GAM23	469	LOC150606 3'	AGAGAAGCTGGGTGATCTG	349	C CC C A CAGA TCATC AGCTTCTCT
GAM23	472	LOC150606 3'	AGAGAAGCTTGTGGTC	350	G T T GAC CA CAAGCTTCTCT CTG GT GTTCGAAGAGA
GAM23	471	LOC152220 3'	AGAGTATTTCTTGATGAATTT	351	
GAM23	<u>469</u>	`LOC155382 3'	AGAGAAGCTGCAGGAGCTG	356	A TTTAT A ATCA CAG CTC AGCTTCTCT GTC GAG TCGAAGAGA
GAM23	471	LOC157621 3'	AGAGGGCGAAATGAGTCT	358	_ GACG
GAM23	469	LOC161528 5'	AGAGAGTGGGGGTGAGTCTG	342	TCTGAGTA CGG GAGA AAG T CAGACTCATC GCT CTCT

GAM23	<u>469</u>	LOC197114 5'	AGAGAAGCCCGAGGGGGCTG	369	GTCTGAGTGG TGA GAGA GGG _ A A AA CAG CTC TC GCTTCTCT GTC GGG AG CGAAGAGA
GAM23	472	LOC199883 3'	AGAAAGGCGGTGAGTC	370	G G CC AA C GACTCATC GCTT TCT CTGAGTGG CGGA AGA
GAM23	472	LOC200020 3'	AGAAAGGCGGTGAGTC	371	A AA C GACTCATC GCTT TCT CTGAGTGG CGGA AGA
GAM23	472	LOC200226 3'	AGAGAAGCTCGTGAATGTT	365	ACA GAC TCAT AGCTTCTCT TTG AGTG TCGAAGAGA
GAM23	469	LOC204820 5'	AGAGAAGCCAGGCCAGCTG	373	TA C_ A CA AA CAG CT TC GCTTCTCT GTC GA GG CGAAGAGA
GAM23	472	LOC219392 5'	AGAGAAATCCTAGATGAGTC	377	_ CC AC
GAM23	471	LOC219800 3'	AGAGAAGCTTGGGAGCCT	389	A CTA A A AG CTC TCAAGCTTCTCT TC GAG GGTTCGAAGAGA
GAM23	469	LOC220753 5'	AGAGAAGCCAGAGGTGTG	388	C _ G CA AA CA ACT TC GCTTCTCT GT TGG AG CGAAGAGA
GAM23	<u>469</u>	LOC220776 3'	AGAGGGGTGATGATAAACTG	283	G AC AC AA CAG TCATC GCTTCTCT GTC AGTAG TGGGGAGA
GAM23	469	LOC221454 5'	AGAGAAGATGAAAGTTTG	382	AAAT CA AG CAGACT TCA CTTCTCT GTTTGA AGT GAAGAGA
GAM23	472	LOC222444 3'	AGAGAAGCCCAGGATGGTC	392	A_ A_ T AA GAC CATC GCTTCTCT CTG GTAG CGAAGAGA
GAM23	469	LOC222962 3'	AGAGGGGAGGTAAGTCTG	387	_ GACC C AAG CAGACT ATC CTTCTCT GTCTGA TGG GGGGAGA
GAM23	<u>469</u>	LOC245727 5	AGAGAGTGGGGGTGAGTCTG	376	A A T AA T CAGACTCATC GCT CTCT GTCTGAGTGG TGA GAGA
GAM23	469	LOC253525 5	' AGAGAAGCTGCAGGTTTG	401	GGG _ CATCA CAGACT AGCTTCTCT GTTTGG TCGAAGAGA

						ACG
GAM23	<u>469</u>	LOC254249	5'	AGAGAAGTTTGTAAATTTG	397	CTCAT CAGA CAAGCTTCTCT GTTT GTTTGAAGAGA AAAT
GAM23	469	LOC255475	5 '	AGAGAAGCCGAGCTCTG	403	_ ATCAA CAGA CTC GCTTCTCT GTCT GAG CGAAGAGA
GAM23	<u>476</u>	LOC51026	3'	AGAACCCTTGATGAGACT	146	C C A
GAM23	470	LOC91308	5'	AGAAGAGATGAGTTTG	274	A CC AAG CAGACTCATC CTTCT GTTTGAGTAG GAAGA
GAM24	523	CASP10	3 '	ATACAACCTGATGTCATATTCC ATTTTGGA	223 <u>, 524</u>	TG GA AC CAG TTGTA T
GAM24	<u>523</u>	CASP10	3'	ATACAACCTGATGTCATATTCC ATTTTGGA	224 <u>, 524</u>	TG GA AC CAG TTGTA T AC CT TG GTC AACAT A
GAM24	<u>477</u>	CHRNB3	5'	TTGGGTTCCACTTCGGA	49	TATAC TA C III A A C TCC AA TG GAACCCAG AGG TT AC CTTGGGTT
GAM24	478	LANCL1	3 '	TACAATCTGGACTTGGTA	100	C C _ G C_ TGC AA CCAGATTGTA ATG TT GGTCTAACAT
GAM24	<u>479</u>	MS4A3	3'	ACATCTGGGTTCAAATTCTG	101	G CA A GC T CA AAT GAACCCAGAT GT GT TTA CTTGGGTCTA CA
GAM24	480	SLC1A4	3'	TACAATTGTCCCAGTTCGCAT	64	C AA CCA ATGCGAAC GATTGTA TACGCTTG TTAACAT
GAM24	<u>25</u>	ALLC	5'	TACAAGGATTTCGCATTCTGGG	162	ACCCTG A
GAM24	477	APOL6	3'	CTGGGTTCACATTTTGGA	206	C TA C TCCAAAATG GAACCCAG AGGTTTTAC CTTGGGTC
GAM24	<u>477</u>	CBX6	3'	TTGGGCTCCATTCTGGA	128	A C A TCCA AATG GA CCCAG AGGT TTAC CT GGGTT
GAM24	477	FLJ10055	3'	TTGGGAGTCCCATTTTGGA	156	C C C C A_ TCCAAAATG GA CCCAG AGGTTTTAC CT GGGTT C GA

GAM24	481	FLJ22059	5'	CAGTCTGGACCAGCACCTTGGA	191	AA GAAC TCCAA TGC CCAGATTG AGGTT ACG GGTCTGAC
GAM24	<u>477</u>	KCNH8	3'	TTGGGTTCACATTCTGGA	252	CC ACCA A C TCCA AATG GAACCCAG AGGT TTAC CTTGGGTT C A
GAM24	<u>477</u>	KIAA0870	3'	TTGGGTCTGCATTTTGGA	339	A TCCAAAATGCG ACCCAG AGGTTTTACGT TGGGTT C
GAM24	482	KIAA1157	3'	ACAGTATTCCATTTTGGA	296	C CCCAG TCCAAAATG GAA ATTGT AGGTTTTAC CTT TGACA
GAM24	483	PRO1048	3'	ACAATGAGTTTGCATTTT	163	C GA AAAATGCGAAC CA TTGT TTTTACGTTTG GT AACA A
GAM24	479	PRO1787	3'	ACAATTCCGCATTTTG	165	AACCCA CAAAATGCG GATTGT GTTTTACGC TTAACA C
GAM24	484	UBE2G1	3'	TACAGATGATTACGCATTTTG	67	AACC GA CAAAATGCG CA TTGTA GTTTTACGC GT GACAT ATTA A_
GAM24	<u>25</u>	LOC122402	3'	TACTTCTTGGTTCACATTTTGG A	306	C C TT TCCAAAATG GAACC AGA GTA
GAM24	485			GGAATTCAGCATTTTGGA	355	TCCAAAATGC GAA CC AGGTTTTACG CTT GG A AA
GAM24	<u>482</u>			ACAATCTGAACGTCTGGG	404	AAAT AACC TCCA GCG CAGATTGT GGGT TGC GTCTAACA CAA
GAM25	486	ITGA5		CTCAGATCCAGGGACAGAGG	264	GTTAGA A_ TCTCTG CC GATCTGAG GGAGAC GG CTAGACTC AGAC
GAM25	487	SF3B3		GCTCTAGAATCTAACCAGA	116	CCAGA TCTGGTTAGA TCT GAGC AGACCAATCT AGA CTCG
GAM25	487	SLC4A4		GCTCAGAGTTGTTAACCAGA	71	AC A TCTGGTTAG CAG TCTGAGC AGACCAATT GTT AGACTCG
GAM25	486	ZNF180	3'	CTCAGACCTGAATCAGAGA	120	AGAC A TCTCTGGTT CAG TCTGAG AGAGACTAA GTC AGACTC C
GAM25	487	AP1G2	5'	GCCCAGGCACGCCCGACCAGAC	3 233	AGACCAGA A

				A		TCTCTGGTT TCTG GC AGAGACCAG GGAC CG
GAM25	488	BCL2L1	3'	GCCCAGATCTGGTCCCTTGCAG 2	241	CCCGCAC_ C GTTA_ A CTG GACCAGATCTG GC GAC CTGGTCTAGAC CG GTTCC C
GAM25	486	FLJ25012	5'	CTCAGATCTGAAAAGCACAAGA 2	250	C _ AGAC TCT TG GTT CAGATCTGAG AGA AC CGA GTCTAGACTC A AAA
GAM25	489	FLJ31952	3 '	CAAATCTGGTTCTGAAAG 2	253	GG C CT TTAGA CCAGAT TG GA AGTCT GGTCTA AC
GAM25	490	MDS025	3'	CTCAGACCTGGTTTGAGATAGA 1	184	A_ T A G_ A TCTG TTAGACCAG TCTGAG AGAT AGTTTGGTC AGACTC AG C
GAM25	487	MGC32043	3'	GCTCAGATCTGATGCTTCAAGA 2	249	GGTT AC_ TCT AG CAGATCTGAGC AGA TC GTCTAGACTCG ACT GTA
GAM25	486	MSI2	3 '	CTCCCCATCCCAACCAGAGA	245	ACT_ GTA AGACCA CT_ TCTCTGGTT GAT GAG AGAGACCAA CTA CTC CC CCC
GAM25	487	ZNF271	5'	GCTCAGATCTGGTTAAACATCA : GAGA	395	TCTCTG GTT GACCAGATCTGAGC
GAM25	487	LOC144508	5'	GCTCAGATCCATGTGCCAGGGA	362	TAGACCA TCTCTGGT GATCTGAGC AGGGACCG CTAGACTCG TGTAC
GAM25	486	LOC145845	3'	CTCAAATCCCACCAGAGA	346	TAGACCA C TCTCTGGT GAT TGAG AGAGACCA CTA ACTC CC A
GAM26	<u>491</u>	CDH19	3'	GAAAATTTAAAGGAGCAA	182	AA TTGC CTTTAAATTTTC AACG GAAATTTAAAAG AG
GAM26	<u>492</u>	CRYGS	5 '	TGGGAAAACCAGTCTATGCACC AA	152	T CTTTAAA_ TTGGT GCA TTTTCCCA AACCA CGT AAAAGGGT _ ATCTGACC
GAM26	493	CYP1B1	3 '	GAAAATTGAAAAGTACAACTAA	33	C A_ TTGGTTG ACTTT AATTTTC AATCAAC TGAAA TTAAAAG
GAM26	494	GL13	3'	GGAAAAAAAGACTGCAACCAA	35	A AG C AAA TTGGTTGCA TTT TTTTCC AACCAACGT AGA AAAAGG
GAM26	493	PCLO	3'	GAAGATAATGCAACCAA	391	C AA_ CTITAA TTGGTTGCA ATTITC

						 AACCAACGT TAGAAG AA
GAM26	492	PPP2R5A	3'	TGGGAAAGTAAACCAA	102	GC TAAATTT TTGGTT ACTT TCCCA AACCAA TGAA AGGGT
GAM26	492	PTER	3 '	TGAGAAAATTTAAAGTGTTTCT AG	207	TTT CA
GAM26	495	RFX5	3 '	GGGAAAAGCAGTAAACCAA	39	TT A GC TTAAA TTGGTT ACT TTTTCCC AACCAA TGA AAAAGGG
GAM26	494	CSMD1	3'	GGAGTATTAAAGTGGAACCAA	301	A_ CG G ATT TTGGTT CACTTTAA TTCC AACCAA GTGAAATT GAGG
GAM26	493	MGC15438	3 '	GAAAGAAAGCGCAGCCAA	220	G AT_ A AAA TTGGTTGC CTTT TTTTC AACCGACG GAAA GAAAG
GAM26	494	NYD-SP18	3'	GGAGAAAACTGCAACCAA	217	C C AAAT TTGGTTGCA TTT TTTCC AACCAACGT AAA AGAGG
GAM26	494	OLFM3	3 '	GGAAAAATAATGTAACCAA	340	C C TAAA TTGGTTGCA TT TTTTCC AACCAATGT AA AAAAGG
GAM26	<u>495</u>	RPL13A	3 '	GGGAAGATGCACAACCAA	115	TACACTTTAA TTGGTTG ATTTTCCC AACCAAC TAGAAGGG
GAM26	496	LOC129452	3'	AGAATGGACAAGCGCAACCAA	310	ACGA TAA TTGGTTGC CTT ATTTT AACCAACG GAA TAAGA
GAM26	494	LOC150197	' 3 '	GGATTAAAGTGGAACCAA	335	C CAGG G ATTT TTGGTT CACTTTAA TCC AACCAA GTGAAATT AGG
GAM26	494	LOC162239	3'	GGAAATTATAAATGGCAACCAA	344	G AC AAT TTGGTTGC TTTA TTTCC AACCAACG AAAT AAAGG
GAM26	496	LOC219972	2 3'	GAAATGGCAAGTGCAACCAA	379	GT ATT TAA TTGGTTGCACTT ATTTT AACCAACGTGAA TAAAG
GAM27	<u>497</u>	DDX6	3'	ATTGTGACAAGAATTGTTACC	80	CGG C CCC C GG AACGA CT GTCACAAT
GAM27	498	LOC12691	7 3'	GCAGTGGGTCTGTTGCCA	309	CC TTGTT GA CAGTGTTA A AA A C TGGCAAC GACCC CT GT

						ACCGTTG CTGGG GA CG
GAM27	499	LOC170395	3'	TATTGTTTCTGGGTGTTGCCA	316	T T G CTCGTC TGGCAAC ACCC ACAATA
GAM28	<u>500</u>	ABCC3	3'	TGCCCCTGGCTGTGCTCTAC	170	ACCGTTG TGGG TGTTAT TCTT C A T GTG AG ACA CCAGGGGCA
GAM28	<u>500</u>	CASP3	3'	TGCCCCTGGATCTACCAGCAT	225	CAT TC TGT GGTCCCCGT C G C AGAAC_ GTGC ATCCAGGGGCA
GAM28	500	CASP3	3'	TGCCCCTGGATCTACCAGCAT	79	TACG TAGGTCCCCGT ACCATC AGAAC_ GTGC ATCCAGGGGCA
GAM28	<u>501</u>	EMS1	3'	CCCTGGATCCTCACACTA	90	TACG TAGGTCCCCGT ACCATC CA AC TAGTG GA ATCCAGGG
GAM28	<u>501</u>	EMS1	3'	CCCTGGATCCTCACACTA	240	ATCAC CT TAGGTCCC A_ CC CA AC TAGTG GA ATCCAGGG
GAM28	<u>500</u>	MLLT2	3'	TGCCCCTGGACATGTTTCCTAC	97	ATCAC CT TAGGTCCC A CC CA GTG GAACA TCCAGGGGCA
GAM28	<u>502</u>	TACC1	3 '	TGCCCCCAGATGTTCCTGGGCT G	104	CAT TTTGT AGGTCCCCGT CC AC G CA TAGT CAG AACATC GGGGCA
GAM28	<u>503</u>	TNFSF6	3'	CCAGGTGTTCTACACTCA	42	GTCG GTC TTGTAG CCCCGT G C AC T C CA A AGTG AGAACATC GG
GAM28	<u>504</u>	UBB	3'	TGGCATTACTCTGCACTATA	166	A TCAC TCTTGTGG CC C A A_ AC_ TATAGTGCAGA AT CCA
GAM28	<u>505</u>	AKAP10	3'	TGCCCCTTTGGAATTCTGCACT	113	ATATCACGTCT TA GGT CAT C CA AGTGCAGAA TCCA GGGGCA TCACGTCTT AGGT CCCCGT
GAM28	<u>506</u>	DECR2	3 '	GCCCCTCTGTCTCTGCAC	176	A TT TCC GTGCAGA ACA AGGGGC
GAM28	<u>507</u>	KIAA0240	3 '	GCCCCTGTGTCCCACTA	383	C C C C C C C C C C C C C C C C C C C
GAM28	<u>506</u>	MGC16385	5'	GCCCCTGGACGTTTCTGCCGC	255	C A GTG CAGAA C TCCAGGGGC CGC GTCTT G AGGTCCCCG

GAM28	<u>508</u>	MGC5139	5'	GCCCTGGGCACACTGTA	305	C T C CAGAACA TATAGTG TCCAGGGGC ATGTCAC GGGTCCCCG
GAM28	509	P5-1	3'	CCCTGGATGCCCCTAACCACT	110	AC CAA AGTG AG CATCCAGGGG TCAC TC GTAGGTCCCC
GAM28	<u>510</u>	TED	3'	CCCTGGGCCCTGCCTA	143	CAA CCC T AACA TAG GCAG TCCAGGGG ATC CGTC GGGTCCCC
GAM28	<u>502</u>	LOC133418	3'	TGCTCTAAAGCTCTGCACTA	311	CCACATCCA TAGTGCAGA GGGGCA ATCACGTCT TCTCGT
GAM28	511	LOC152402	3 '	GCCCTTACATTCTGCACT	353	CGAAACATCC AGTGCAGAA AGGGGC TCACGTCTT TTCCCG
GAM28	512	LOC158677	3'	TGCCCCTGGATATCAGCAATAT A	360	ACA G A AC TATA TGC GA ATCCAGGGGCA ATAT ACG CT TAGGTCCCCGT
GAM28	501	LOC221715	3'	CCACTGTGCTTGCACTA	390	A A A TC TAGTGCAG CA CAG GG ATCACGTT GT GTC CC
GAM28	<u>504</u>	LOC254746	3'	TGGCATTACTCTGCACTATA	394	C A
GAM28	502	LOC255098	3'	TGCTCTAAAGCTCTGCACTA	396	CAT C ACATCCA TAGTGCAGA GGGGCA ATCACGTCT TCTCGT
GAM29	<u>513</u>	ADAM19	3'	CTGATGGAGATGCTCAAGGC	228	CGAAA
GAM29	514	LFG	3'	TGCCACAGGCCTAAGGCT	319	CT TA
GAM29	<u>515</u>	NOLA2	5'	GGAAGTGATGCCTAAAGCT	393	C C AGC TTAGGCATC TCC TCG AATCCGTAG AGG
GAM29	514	FLJ10751	3'	CCAGAGACACCTGAGGC	158	A TGA CA CTA GCCTTAGG TCTC TGG CGGAGTCC AGAG ACC
GAM29	514	FLJ10751	3'	CCAGAGACACCTGAGGC	159	AC
						

GAM29	513	FLJ10925	5'	CTGCCCCAGGGACACCTAAGG C	160	CA T AT_ GCCTTAGG TC CCT GGCAG CGGAATCC AG GGA CCGTC AC CCC
GAM29	<u>517</u>	KIAA1118	3'	GTGGTTGAGATGCCCACGGCT	289	AC _ CCC TTA CT G AGCC GGCATCTC AT GC TCGG CCGTAGAG TG TG CAC T G
GAM29	518	KIAA1649	3'	CTGCCATTTCTGTGCCTAGGCT	215	T CTCCT AGCCT AGGCAT ATGGCAG TCGGA TCCGTG TACCGTC TCTT
GAM29	<u>513</u>	LIMR	3'	CTGCCATCTGCTGCCTAGGC	157	T TCTCCT GCCT AGGCA ATGGCAG CGGA TCCGT TACCGTC CGTC
GAM29	<u>516</u>	MGC14161	5'	CCAGAGAGATGCCAAAGGC	221	A CTA GCCTT GGCATCTC TGG CGGAA CCGTAGAG ACC A AG_
GAM29	<u>519</u>	NJMU-R1	3'	CATGAAGAAATGCCTGAAGC	188	C C C C GC TTAGGCAT TC TATG CG AGTCCGTA AG GTAC A A AA
GAM29	518	SEMA3E	3'	CTGTTGTGAGAAATGCCCAGGC T		TA C C TG AGCCT GGCAT TC TA GCAG TCGGA CCGTA AG GT TGTC C_ A A GT
GAM29	<u>520</u>	YKT6	3'	CTGCCATAGATACCCTAAG	106	CATCTC CTTAGG CTATGGCAG GAATCC GATACCGTC CATA_
GAM29	<u>521</u>	LOC142972	5'		271	C A A GC TT GGCATCTCCT TGGC
GAM29	514	LOC143689			318	AG ATCTCC AGCCTT GC TATGGCA TCGGAA CG ATACCGT CT A
GAM29	522			CCATAGGGAGCCTAAG	332	A T CTTAGGC TC CCTATGG GAATCCG AG GGATACC C A T A
GAM29	516			CCAAGGGATGCCCAAAGC	317	GC TT GGCATC CCT TGG
GAM29	519			CATAAGAGCACCTAAGGC	398	GCCTTAGG CTC TATG CGGAATCC GAG ATAC AC_ A
GAM29	<u>514</u>	LOC92078	5'	TGCCCAGAGGCCTAAGGCT	282	A CCTAT AGCCTTAGGC TCT GGCA TCGGAATCCG AGA CCGT